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NOTICE OF ALLOWANCE AND FEE(S) DUE

#2

21567

7590

06/03/2002

WELLS ST. JOHN P.S. 601 W. FIRST SUITE 1300 SPOKANE, WA 99201-3828

EXAMINER VU, DAVID		
2818	438-460000	

DATE MAILED: 06/03/2002

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/234,233	01/20/1999	WEIMIN LI	MI22-1035	6381

TITLE OF INVENTION: SEMICONDUCTOR PROCESSING METHODS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1280	\$0	\$1280	09/03/2002

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED</u>, THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

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I. Review the SMALL ENTITY status shown above. If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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B. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

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- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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Complete and send this form, together with applicable fee(s), to: Mail Box ISSUE FEE

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CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)

7590

06/03/2002

WELLS ST. JOHN P.S. 601 W. FIRST **SUITE 1300** SPOKANE, WA 99201-3828 Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

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I hereby certify that this Fee(s) Transmission deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Box Issue Fee address above, or being facsimile transmitted to the USPTO, on the date indicated below.

(Depositor's name)	
(Signature)	
(Date)	

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nonprovisional	NO	\$1280	\$0	\$1280	09/03/2002
EXAMI	NER	ART UNIT	CLASS-SUBCLASS		
VU, DA	VID	2818	438-460000		
1. Change of corresponden CFR 1.363).	ice address or indication of "	Fee Address" (37	2. For printing on the patent fro the names of up to 3 registered	patent attorneys	
Change of corresponded Address form PTO/SB/12	ence address (or Change of (22) attached.	Correspondence	or agents OR, alternatively, (2) single firm (having as a membattorney or agent) and the nan	ber a registered	
☐ "Fee Address" indicati PTO/SB/47) attached. Us	on (or "Fee Address" Indica se of a Customer Number i	tion form s required.	registered patent attorneys or age is listed, no name will be printed.	ents. If no name	· .

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment. (B) RESIDENCE: (CITY and STATE OR COUNTRY) (A) NAME OF ASSIGNEE

Please check the appropriate assignee category or categ	ories (will not be printed on the patent) 🔲 individual 🚨 corporation or other private group entity 🚨 government
4a. The following fee(s) are enclosed:	4b. Payment of Fee(s):
☐ Issue Fee	☐ A check in the amount of the fee(s) is enclosed.
□ Publication Fee	☐ Payment by credit card. Form PTO-2038 is attached.
☐ Advance Order - # of Copies	☐ The Commissioner is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number(enclose an extra copy of this form).
Commissioner for Patents is requested to apply the Issu	e Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

(Authorized Signature)

(Date)

NOTE; The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, D.C 20231.

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09/234,233		01/20/1999	WEIMIN LI	MI22-1035	6381
21567	7590	06/03/2002		EXAMIN	ER
WELLS ST. J		•••••		VU, DA	VID
601 W. FIRST SUITE 1300				ART UNIT	PAPER NUMBER
SPOKANE, WA		828		2818	
UNITED STAT	ES			DATE MAILED: 06/03/2002	

Determination of Patent Term Extension under 35 U.S.C. 154 (b) (application filed after June 7, 1995 but prior to May 29, 2000)

The patent term extension is 0 days. Any patent to issue from the above identified application will include an indication of the 0 day extension on the front page.

If a continued prosecution application (CPA) was filed in the above-identified application, the filing date that determines patent term extension is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system. (http://pair.uspto.gov)

	Application No.	Applicant(s)			
*					
Notice of Allowability 09/234,233 LI ET AL. Examiner Art Unit					
	DAVID VU	2818			
The MAILING DATE of this communication appearaims being allowable, PROSECUTION ON THE MERITS IS (with (or previously mailed), a Notice of Allowance (PTOL-85) of CE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHT OF CONTROL OF THE	OR REMAINS) CLOSED or other appropriate comr GHTS. This application is	in this application. If not included nunication will be mailed in due course. THIS			
This communication is responsive to <u>04/18/02</u> .					
The allowed claim(s) is/are <u>1-29 and 31-32</u> .					
The drawings filed on <u>02 January 1999</u> are accepted by the	Examiner.				
Acknowledgment is made of a claim for foreign priority under a) All b) Some* c) None of the:	er 35 U.S.C. § 119(a)-(d)	or (f).			
1. Certified copies of the priority documents have					
2. Certified copies of the priority documents have					
3. Copies of the certified copies of the priority doc	uments have been receiv	red in this national stage application from the			
International Bureau (PCT Rule 17.2(a)).					
* Certified copies not received:		and the second s			
Acknowledgment is made of a claim for domestic priority un					
 (a) ☐ The translation of the foreign language provisional ap ☐ Acknowledgment is made of a claim for domestic priority unit 					
Acknowledgment is made of a claim for domestic priority diff	dei 55 0.5.0. 33 120 am	101 F21.			
plicant has THREE MONTHS FROM THE "MAILING DATE" of t low. Failure to timely comply will result in ABANDONMENT of t	this communication to file his application. THIS TH	e a reply complying with the requirements no IREE-MONTH PERIOD IS NOT EXTENDA			
☐ A SUBSTITUTE OATH OR DECLARATION must be submi FORMAL PATENT APPLICATION (PTO-152) which gives reaso	itted. Note the attached E on(s) why the oath or dec	XAMINER'S AMENDMENT or NOTICE OF laration is deficient.			
CORRECTED DRAWINGS must be submitted.					
(a) ☐ including changes required by the Notice of Draftspers	on's Patent Drawing Rev	iew (PTO-948) attached			
1) 🗌 hereto or 2) 🔲 to Paper No					
(b) including changes required by the proposed drawing of					
(c) including changes required by the attached Examiner's	s Amendment / Comment	or in the Office action of Paper No			
Identifying indicia such as the application number (see 37 CFR 1.8 of each sheet. The drawings should be filed as a separate paper to	84(c)) should be written or with a transmittal letter ad	n the drawings in the top margin (not the back) dressed to the Official Draftsperson.			
☐ DEPOSIT OF and/or INFORMATION about the depostached Examiner's comment regarding REQUIREMENT FOR THE	sit of BIOLOGICAL MA HE DEPOSIT OF BIOLOG	TERIAL must be submitted. Note the GICAL MATERIAL.			
ttachment(s)					
tachment(s) ☑ Notice of References Cited (PTO-892)		of Informal Patent Application (PTO-152)			
Notice of References Cited (PTO-892) Notice of Draftperson's Patent Drawing Review (PTO-948)	4☐ Intervi	ew Summary (PTO-413), Paper No			
Notice of References Cited (PTO-892) Notice of Draftperson's Patent Drawing Review (PTO-948) Information Disclosure Statements (PTO-1449), Paper No. <u>17</u>	4 <u> </u>	ew Summary (PTO-413), Paper No iner's Amendment/Comment			
Notice of References Cited (PTO-892) Notice of Draftperson's Patent Drawing Review (PTO-948) Information Disclosure Statements (PTO-1449), Paper No. <u>17</u> Examiner's Comment Regarding Requirement for Deposit	4 <u> </u>	ew Summary (PTO-413), Paper No iner's Amendment/Comment iner's Statement of Reasons for Allowance			
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Application/Control Number: 09/234,233

Art Unit: 2818

DETAILED ACTION

Reason for allowance

1. The following is an examiner's statement of reason for allowance:

Claims 1-29 and 31-32 are considered allowable since the prior made of record and considered pertinent to the applicant's disclosure does not teach or suggest the claimed limitations. Hayase et al.(U.S. Patent No. 5962581) and Joubert et al (EP 0942330A1), taken individually or in combination, do not teach the claimed invention deposit a layer of material comprising silicon and oxygen, as initially deposited, over a substrate.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

Conclusion

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to David Vu whose telephone number is 703-305-0391. The examiner can normally be reached on Monday-Friday 8:00am-5: 30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Nelms can be reached on 703-308-4910. The fax phone numbers for the organization where

• Application/Control Number: 09/234,233

Art Unit: 2818

this application or proceeding is assigned are (703) 308-7722 for regular communications and (703) 308-7722 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

DV

David Vu

Art Unit 2818.

HOAI HO PRIMARY EXAMINER

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